

IN THE ABSTRACT

Please amend the Abstract as follows:

-- ABSTRACT

A data processor for efficiently processing a large amount of data at high speed by using a processor, wherein the processing is such as like an arithmetic process of motion vector estimation in an image process. An SDMD ALU [4] controlled by a CPU 2 and a work RAM 12 are connected via a local bus 8 having a bus width wider than a bus width of a data bus 6 of the CPU 2, an address bus 48 is commonly connected to the SDMD ALU [4], the work RAM 12, and the CPU 2, and the SDMD ALU [4] and the work RAM 12 are controlled by the CPU 2 in a centralized manner, thereby realizing a high speed data process. --